PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/818,683A

OIPE

DATE: 01/11/2002
TIME: 10:54:20

Input Set: I818683A.RAW

1631

RECEIVED

JAN 2 4 2001

TECH CENTER 1600/2900

ENTERED

> This Raw Listing contains the General Information
> Section and up to first 5 pages.

```
 1   <110> APPLICANT: Feng et al.
 2   <120> TITLE OF INVENTION: 125 Human Secreted Proteins
 3   <130> FILE REFERENCE: PZ020P1
 4   <140> CURRENT APPLICATION NUMBER: US/09/818,683A
 5   <141> CURRENT FILING DATE: 2001-03-28
 6   <150> EARLIER APPLICATION NUMBER: 09/305,736
 7   <151> EARLIER FILING DATE: 1999-05-05
 8   <160> NUMBER OF SEQ ID NOS: 612
 9   <170> SOFTWARE: PatentIn Ver. 2.0
10   <210> SEQ ID NO 1
11   <211> LENGTH: 733
12   <212> TYPE: DNA
13   <213> ORGANISM: Homo sapiens
14   <400> SEQUENCE: 1
15       gggatccgga gcccaaatct tctgacaaaa ctcacacatg cccaccgtgc ccagcacctg      60
16       aattcgaggg tgcaccgtca gtcttcctct tcccccaaa  acccaaggac accctcatga     120
17       tctccccggac tcctgaggtc acatgcgtgg tggtggacgt aagccacgaa gaccctgagg     180
18       tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg     240
19       aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact     300
20       ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca accccatcg      360
21       agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc     420
22       catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct     480
23       atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga     540
24       ccacgcctcc cgtgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg     600
25       acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc     660
26       acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc     720
27       gactctagag gat                                                        733
28   <210> SEQ ID NO 2
29   <211> LENGTH: 5
30   <212> TYPE: PRT
31   <213> ORGANISM: Homo sapiens
32   <220> FEATURE:
33   <221> NAME/KEY: Site
34   <222> LOCATION: (3)
35   <223> OTHER INFORMATION: Xaa equals any of the twenty naturally ocurring L-amino ac
36   <400> SEQUENCE: 2
```

W-->
```
37       Trp Ser Xaa Trp Ser
38        1            5
39   <210> SEQ ID NO 3
40   <211> LENGTH: 86
41   <212> TYPE: DNA
42   <213> ORGANISM: Homo sapiens
43   <400> SEQUENCE: 3
44       gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc      60
```

```
45          cccgaaatat ctgccatctc aattag                              86
46   <210> SEQ ID NO 4
47   <211> LENGTH: 27
48   <212> TYPE: DNA
49   <213> ORGANISM: Homo sapiens
50   <400> SEQUENCE: 4
51          gcggcaagct ttttgcaaag cctaggc                             27
52   <210> SEQ ID NO 5
53   <211> LENGTH: 271
54   <212> TYPE: DNA
55   <213> ORGANISM: Homo sapiens
56   <400> SEQUENCE: 5
57          ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg   60
58          aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc   120
59          gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat   180
60          ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt   240
61          ttttggaggc ctaggctttt gcaaaaagct t                        271
62   <210> SEQ ID NO 6
63   <211> LENGTH: 32
64   <212> TYPE: DNA
65   <213> ORGANISM: Homo sapiens
66   <400> SEQUENCE: 6
67          gcgctcgagg gatgacagcg atagaacccc gg                       32
68   <210> SEQ ID NO 7
69   <211> LENGTH: 31
70   <212> TYPE: DNA
71   <213> ORGANISM: Homo sapiens
72   <400> SEQUENCE: 7
73          gcgaagcttc gcgactcccc ggatccgcct c                        31
74   <210> SEQ ID NO 8
75   <211> LENGTH: 12
76   <212> TYPE: DNA
77   <213> ORGANISM: Homo sapiens
78   <400> SEQUENCE: 8
79          ggggactttc cc                                             12
80   <210> SEQ ID NO 9
81   <211> LENGTH: 73
82   <212> TYPE: DNA
83   <213> ORGANISM: Homo sapiens
84   <400> SEQUENCE: 9
85          gcggcctcga ggggactttc ccggggactt ccggggact ttccgggact ttccatcctg   60
86          ccatctcaat tag                                            73
87   <210> SEQ ID NO 10
88   <211> LENGTH: 256
89   <212> TYPE: DNA
90   <213> ORGANISM: Homo sapiens
91   <400> SEQUENCE: 10
92          ctcgagggga ctttcccggg gactttccgg ggactttccg ggactttcca tctgccatct   60
93          caattagtca gcaaccatag tcccgccccct aactccgccc atcccgcccc taactccgcc   120
94          cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga   180
```

```
 95        ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg      240
 96        cttttgcaaa aagctt                                                      256
 97   <210> SEQ ID NO 11
 98   <211> LENGTH: 1010
 99   <212> TYPE: DNA
100   <213> ORGANISM: Homo sapiens
101   <400> SEQUENCE: 11
102        gcgtccgtat gttccagtgt gggttattgc agcagctttg tactatccta atggctactg       60
103        gggttcctgc tgatatcctg actgagacca taaatactgt atcagaagtt attcgaggct      120
104        gccaagtaaa ccaagactac tttgcatctg taaatgcacc ttcaaaccca ccaagaccgg      180
105        caattgtagt acttctcatg tccatggtta atgaaaggca gccatttgtt ttgcgctgtg      240
106        ctgttctcta ttgtttccag tgtttcttgt ataaaaacca aaaaggacaa ggagaaatcg      300
107        tgtcaacact tttaccttct accattgatg caacaggtaa ttcagtttca gctggccagt      360
108        tattatgtgg aggtttgttt tctactgatt cactttcaaa ctggtgtgct gctgtggccc      420
109        ttgcccatgc gttgcaagaa aatgccaccc agaaagaaca gttgctcagg gttcaacttg      480
110        ctacaagtat tggcaaccct ccagtttctt tacttcaaca gtgcaccaat attctttcac      540
111        agggaagcaa aatacaaaca agagttggat tattaatgtt gctttgtacc tggctaagca      600
112        attgtcccat tgcagtaacg cattttcttc acaattcagc caatgttcca ttccttacag      660
113        gacaaattgc agaaaatctt ggagaagaag agcagttggt ccaaggctta tgtgcccttt      720
114        tgttgggcat ttcgatttat ttcaatgata actcacttga gagctacatg aaagagaagc      780
115        taaaacaact gattgagaag aggattggca aagagaattt catagagaaa ctaggattta      840
116        ttagcaaaca tgagttgtat tccagagcat ctcagaaacc ccagccaaac tttcccagtc      900
117        cagaatacat gatatttgat catgagttta cgaagctggt aaaagaactt gaaggtgtta      960
118        taactaaggc tatttataag tccagtgaag aagataaaaa aaaaaaaaaa                1010
119   <210> SEQ ID NO 12
120   <211> LENGTH: 1559
121   <212> TYPE: DNA
122   <213> ORGANISM: Homo sapiens
123   <220> FEATURE:
124   <221> NAME/KEY: SITE
125   <222> LOCATION: (1547)
126   <223> OTHER INFORMATION: n equals a,t,g, or c
127   <220> FEATURE:
128   <221> NAME/KEY: SITE
129   <222> LOCATION: (1549)
130   <223> OTHER INFORMATION: n equals a,t,g, or c
131   <400> SEQUENCE: 12
132        ccggctacta ggaactagtg atcccccgg gctgccaggt ttttattctt tatatataaa       60
133        atgtctccca gataccaaaa gatcaaataa aaatcccacc cctcctactg cgttcctagg      120
134        ttggctgtat acttatttga ggaatgtttc acagcccttg tttcagtgca gtattttctg      180
135        gtttatgggg ctggaatcaa agggaccgct attccctctg ccccaacaca cagacttacg      240
136        aatcagtgct ccctatagca ccatactgca ggattggtgt gcatgactgt ggcatccatc      300
137        agacatattc tggtagagat ctggttaccg atagccttag ccatgggcac ccgaggcctc      360
138        actcaaattg tagctgtcat tcaatccaga agccaatggg cactctcttg aagtctgctt      420
139        ggctcttctg ttctcttttt tagtaggtct gatttattaa tatgatcaat acaggttaac      480
140        ttgtgaagtc ctatatacaa cactcttcct cctctagaca actttgctat tgctacttag      540
141        aaatgatgta atcattgga ggtgtgataa atttacaaat atttagtttt taacccatag       600
142        caagggagat attgggctag agtgtaaaac acagagcatt taatatacat aggaaattta      660
143        ggagtaaaat tttgatgcta attttccaaa atcatttcta ctatttctcg tcattataag      720
144        attgctcaca tattttgaat ggcatcccac agtagtcaca ggcaaattag aataacatat      780
```

```
      145        gctttacaaa acaaaaaggc atatcagaaa atgagtcaaa gtaaaaaaaa tggcaggtac    840
      146        catccattct ccagtaaata atgaatatgg agtgtattta attacaaatt tccaaatata    900
      147        tattcgcata ataaagacaa ggaaaatgaa acaaaatcaa atgtgttttg ttgaaataag    960
      148        cgcatgagct tgaaggatcm agtactgatg gctccaggtg ttttccatgt tagattccct   1020
      149        ttgaaagtac tgatgccatc agcacttgtc agctggtacc caatgatgta aattttgagc   1080
      150        ttgaatactt ttcatrggar rgcatcacat tcctaaagga gacaaatgac cactaaaaac   1140
      151        taaccattaa tatagattac ttatggaggg ttttatcttg actactaatt aagggagtaa   1200
      152        ttgtatctct aaactttata tcagattgcc agtggatttg ccagattatt aatgcttttt   1260
      153        tagaatacat ggggggtggg gttataatca cataacacag ttttcatat ttttaaaag   1320
      154        gggttggacc aagacataag tttcattgac aatcttaatg ttttcactgt agacaatatg   1380
      155        ttagaataac tgcagtgagt cacacagcat ataacttctt aatggtaaat tcagaaccag   1440
      156        tcttccagat aagcaagtat aacattttag ttaaaaaaaa aaaaaaaaaa aaaaaaaca   1500
 W-->  157        aaaaaaaaaa aaaaaactcg aggggggggtc ccgtacccaa tctcctnana tgcatcgta   1559
      158  <210> SEQ ID NO 13
      159  <211> LENGTH: 1589
      160  <212> TYPE: DNA
      161  <213> ORGANISM: Homo sapiens
      162  <400> SEQUENCE: 13
      163        ggcagagctt ttgctctgag aacaatgcta ccggtagttt ccagtgtgtt tgctttgcct     60
      164        ttttatttga attttagaat ttattatttt aaaattttat cttatttaaa tgttattcat    120
      165        ttttcttcta ctaattttga gtatcacagc ttcgtactcc ttgacttgca ttctctcagg    180
      166        agctggggag ccaagctcgg tctccgcttc ggtggtttca ggtcccgggt tctgtctggc    240
      167        ggctctgctt ctaatgcgga ctggcggttt tgcagcaacg cttttgccag tagcgcccac    300
      168        tgagcggttt ttcagttgct gcaccgttct tagcgcccaa cggaacgttt cccgtacgcg    360
      169        gagtccataa gttgtctgtg tcgtcacttt ctcggttctg gcamcgctag tatctcctag    420
      170        gaacttccta aamccgtttt acggtgcaga acggtaattg caccgagcct ctgtgccaac    480
      171        tagtacttcc gtaataccgt tagccggctc ttttcctgtc acaacacatt aaaacgtgtt    540
      172        aaaacacatt aaacggatta aacacattar acggattaaa acacattaaa acgtcacaac    600
      173        acatttaaac agagtcggtc cattcytcca gacagtatgt ttcgggatgg aagcacccyt    660
      174        cctaagaatc cgcagtttct ttstagcagc accgttatgg cgcytaaacg gatatttgtt    720
      175        tggcaatacc agcgctatcc gctaggtgcc ggcgcttgct gagtctcagc gccgccagat    780
      176        tcttgctagc gaggtccaga gcagtgcaga gacctagcgg acagttttcc ggtggcagca    840
      177        atgctcattt cccggacaca gatggttttt ggsccctgaa gaactcttta atccctgcgt    900
      178        tttgtagcgc tcgttctctg taaggtttgc ttartatccg tttcatttcg acttcttttc    960
      179        tcgctgtttt tctgtcggaa ttacgatttg ttttgtttct atgtgtyctc tagaatttta   1020
      180        ccggttttca tttgtctact aattttcgtg cattcgttac tattgagttt cataatatct   1080
      181        gggtgccmtc tgcccackag ctccggagag cataaatacc caggctgatg gtagtgctaa   1140
      182        aggttctgct tcatctcgtc aatcagcgca aacgcttatg tcctcctgct ctgaggctta   1200
      183        attaagcgat ggagcaacat tttcttggct atgtgaagcc tgcttgagat tccgcagagg   1260
      184        tggtgcctga gctccagcct cggcctattt tgaattcaga agactgtgat attactgtgt   1320
      185        gagccaccac tttgggaggc cagcatgggc agatcacttg aggtcaggag ttggagacca   1380
      186        gcctggccca agtggtgaaa ccccatctct actaaaaata caaaaattag ccggtgatga   1440
      187        tgcatgcctg caatcccagc tactcgggag gctgaggcag gagaatctct tgagctcgga   1500
      188        ggcagaggtt gcagtgagct cagatcgtgc caccgtcctc cagcctgggc agactgagac   1560
      189        tccatcaaaa aaaaaaaaaa aaaactcga                                     1589
      190  <210> SEQ ID NO 14
      191  <211> LENGTH: 1255
      192  <212> TYPE: DNA
      193  <213> ORGANISM: Homo sapiens
      194  <400> SEQUENCE: 14
```

195	gctgaaatgt	ctcatttagc	taaatggaaa	cattcaccag	acacttctag	ctagctctcc	60
196	cacatcactt	tgagccacac	aggcacttcc	atgtttggga	ctgaattgcc	tgggaatccg	120
197	tatacccaaa	atctgagccc	tcattcttac	ccttgggtga	tgcctctcca	tagccctcag	180
198	caatgctctc	cactcgctgg	atggggctac	atctcgtgca	gattttgtgg	cgctgttgga	240
199	ccagttcggc	aaccattaca	tccaggaagc	tatctacggc	tttgaggagt	cctgttctat	300
200	ctggtaccca	aacaagcagg	tccagcggcg	actctggctg	gagtatgaag	acatcagtaa	360
201	aggcaactcc	ccatcagatg	agtctgagga	gcgggaaaga	gaccccaagt	gctgacattc	420
202	ccagaataca	tcaccagctt	gtcagactcc	ggcaccaagc	gcatggcggc	tggagtccgc	480
203	atggagtgcc	agagcaaggg	acgatgcccc	tcgtcctgcc	ccctgtgtca	tgtgacatcc	540
204	agccctgaca	cccctgctga	gccggttctg	ctggaggtga	ccaaagcagc	ccccatctat	600
205	gaactagtga	ccaacaacca	gacccagagg	ctcttgcagg	aggctaccat	gagctctctc	660
206	tggtgctcag	ggactggaga	tgtcatcgag	gactggtgtc	gatgtgactc	cactgctttt	720
207	ggagctgatg	gactccccac	ctgtgcgcct	ctcccacagc	ctgtgtatgg	ttctctttct	780
208	ctctttcagc	attactctgg	aaacagataa	tgagcgtcta	ctatttgcaa	agaaataggc	840
209	tgggtactgg	gaaacaaaga	aaaatatgac	acaatacctg	cctttagaga	gctttcaatc	900
210	taccaaggga	ggcagcacag	atggttttag	tagagaaagg	gtgtgacaag	tgttaacaag	960
211	aggcatttaa	agaaagtgtg	aagagggaat	ggtcaagtct	gaactgacgc	catggtgacg	1020
212	gctctgtgga	ggaggtggcg	cttgaacttc	tccttgaagg	tggagaaagt	aggacagcat	1080
213	aactagaaga	caatggggag	aaaagtgcca	ttgtaatgga	agaagttaga	gatctacact	1140
214	gagagcttaa	ctagaccaaa	aacataacca	ctcattgaac	acttactggg	tgtccaggca	1200
215	ttgtatggag	cagttagata	ctgctcattt	aatagacaaa	aaaaaaaaa	aaaaa	1255

216 <210> SEQ ID NO 15
217 <211> LENGTH: 1191
218 <212> TYPE: DNA
219 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 15

221	gaattcggca	cgagcggagg	ccgaagagtt	gagtccgttg	ctaagcaacg	aacttcacag	60
222	acagcgatcc	ccaggtgttt	catttggttt	atcagtgttt	aatttgatga	atgccatcat	120
223	gggaagtggc	atccttggct	tagcttatgt	tatggctaat	accggtgtct	ttggatttag	180
224	cttcttgctg	ctgacagttg	ctctcctggc	ttcttactca	gtccatcttc	tgcttagtat	240
225	gtgtattcag	acagctgtaa	catcttatga	agatcttgga	ctctttgcat	ttggattacc	300
226	tggaaagttg	gtggtggcag	gcaccataat	aattcagaat	attggagcta	tgtcatctta	360
227	tcttttaatt	attaaaacag	agcttcctgc	tgctattgca	gaatttttga	ctggagacta	420
228	tagtagatat	tggtatcttg	atggacaaac	actactaata	atcatatgtg	ttggcattgt	480
229	gttccctctt	gcacttcttc	ccaaaatagg	ctttcttggc	tacacaagta	gtttatcatt	540
230	ttyctttatg	atgttctttg	ctcttgtggt	aataattaaa	aaatggtcca	tcccttgtcc	600
231	tctgacatta	aattatgtag	agaaaggctt	ccagatttca	aaygttacag	atgattgtaa	660
232	gccaaagctc	tttcatttct	ccaaagagag	tgcttatgcc	ttaccaacca	tggctttttc	720
233	atttctctgc	catacctcaa	tattgcccat	atactgtgaa	cttcaaagtc	cttcaaagaa	780
234	aagaatgcag	aatgttacca	atacagcaat	tgctttaagt	tttctcattt	attttatatc	840
235	tgcactcttt	gggtacctca	ctttttatgg	gtctcattct	gtcgcacagg	ttggcgtgca	900
236	gtggtgtgat	ctcagctcat	tgcaacctct	gcctcccgga	ctcaagcaat	cctcccacct	960
237	cagcctccag	agtagctgag	actacagaaa	aggaagagat	accatggaga	gtgtgcaccca	1020
238	gaggaaaggc	cacgcaagga	cacagcaaga	aggcaactgt	ttacaagcca	agggaagagg	1080
239	cctcaggaga	accaaacgtg	tccacacctt	gatcttgcac	ttcccaacct	ccagaactgt	1140
240	gagcaaataa	atgatgttgt	ttaatcaaaa	aaaaaaaat	caaggggcc g		1191

241 <210> SEQ ID NO 16
242 <211> LENGTH: 1186
243 <212> TYPE: DNA
244 <213> ORGANISM: Homo sapiens

VERIFICATION SUMMARY
PATENT APPLICATION **US/09/818,683A**

Input Set: **I818683A.RAW**

Line	?	Error/Warning	Original Text
37	W	"N" or "Xaa" used: Feature required	Trp Ser Xaa Trp Ser
157	W	"N" or "Xaa" used: Feature required	aaaaaaaaaa aaaaaactcg agggggggtc ccgtaccc
329	W	"N" or "Xaa" used: Feature required	cggggcttcg gcgccaggcc angcgctagt cggtctgg
350	W	"N" or "Xaa" used: Feature required	attattgtag atcatgtttt gttaggagcc cttttatg
545	W	"N" or "Xaa" used: Feature required	ccactcccca agagggaaga acacgtggaa yttcctng
668	W	"N" or "Xaa" used: Feature required	ggcggnccca tgaaagactg cgagtacagc cagatcag
736	W	"N" or "Xaa" used: Feature required	caacaatgcc ctgtatttgt acngcctaaa actgaata
769	W	"N" or "Xaa" used: Feature required	ctaaaacagc aataccaaag ggcccattgc cagttctg
775	W	"N" or "Xaa" used: Feature required	attctgactt tactgttctt agccacataa tgggcaca
779	W	"N" or "Xaa" used: Feature required	aattctcaca gagagtcttg ctttggacag agacnact
857	W	"N" or "Xaa" used: Feature required	gtggctgctg gcgggagcac atngtcaagc ctcaacaa
861	W	"N" or "Xaa" used: Feature required	cacaactggt tactaccacc acacctctgt tcancctg
977	W	"N" or "Xaa" used: Feature required	tgccacagtc tctgtcttcc ttggcttcct cctcttcc
992	W	"N" or "Xaa" used: Feature required	caanccatag gctcacaaaa aaaaaaaaaa aaaaaaa
1206	W	"N" or "Xaa" used: Feature required	agncagacgt agaacgtagt ggatccccag gggtgcag
1344	W	"N" or "Xaa" used: Feature required	ttttttttgtt gagatggagt cttgctctaa gctagagt
1354	W	"N" or "Xaa" used: Feature required	atcctgcagt tnttctacgc aaataaaatt ctgtaagc
1484	W	"N" or "Xaa" used: Feature required	cagcattaac tgancatgga ctggataggg ttgctgcc
1610	W	"N" or "Xaa" used: Feature required	ttgwgacgaa gtctcgntct gtcgcccagg ctggagtg
1770	W	"N" or "Xaa" used: Feature required	ccactactcc catgtgacag cctcccccac cattggca
1771	W	"N" or "Xaa" used: Feature required	nggcctggct taaactctgg gttytccytt macytccg
1774	W	"N" or "Xaa" used: Feature required	tcntgatttg taggtcagca aaaggttgag gggtgagg
1911	W	"N" or "Xaa" used: Feature required	ccatatccaa cctatcccca agtcctgatg acttacc
1940	W	"N" or "Xaa" used: Feature required	ggcccgcccg cttcgcgctg gagatgtaca accgcggc
1942	W	"N" or "Xaa" used: Feature required	gggcgaccct ggaggagcct ccctgcaacg anncacg
1952	W	"N" or "Xaa" used: Feature required	ggccagtggt tcctgaaaca ggggcctgnt ctscctct
2082	W	"N" or "Xaa" used: Feature required	ggcaagcaca gcccggcgca ctgctcaggg acagcant
2169	W	"N" or "Xaa" used: Feature required	gtaacccatt gcgcccna
2184	W	"N" or "Xaa" used: Feature required	tgctctatga tagaggtagc tngggcgtgg agtgaaac
2294	W	"N" or "Xaa" used: Feature required	ccttcacttg ccaaaacaac actccctgca aggttatc
2408	W	"N" or "Xaa" used: Feature required	tagaagaggt ctccgaatgc cggccggggg tgggggggc
2455	W	"N" or "Xaa" used: Feature required	cacggcctat ggtttangtt aaaacccctta attntttt
2640	W	"N" or "Xaa" used: Feature required	atcctctcgc taactgcatc tttaactcta tactatat
2766	W	"N" or "Xaa" used: Feature required	tccaccctgt gcagctgcas ggggccagcg ggcagcag
2864	W	"N" or "Xaa" used: Feature required	ccatyctggc taacatggtg accccccatct ctactaaa
2900	W	"N" or "Xaa" used: Feature required	tgatttaaaa tgtgnacatt gattttttr aattccra
2993	W	"N" or "Xaa" used: Feature required	aattgtccta ncttgataag cacttggagg gggacttg
2994	W	"N" or "Xaa" used: Feature required	tttctcatga gtctccaagc ccacttgaaa agtcacac
2995	W	"N" or "Xaa" used: Feature required	tgcgattttg gcggnccctc cggattgtgg tgacanta
2996	W	"N" or "Xaa" used: Feature required	atttaaattt ggcagtgraa attccacaaa gatttctg
3150	W	"N" or "Xaa" used: Feature required	cctggctctg cgcagggcgc atgactatga ggtagctc
3205	W	"N" or "Xaa" used: Feature required	cgncacgagg tgaagttcaa cccaatgcaa ctttcctt
3501	W	"N" or "Xaa" used: Feature required	ttggttctgc atcaaaaata tcaacgatga aagantat
3503	W	"N" or "Xaa" used: Feature required	ttnctatgtt tgactctata tattcaagat aaattttc
3524	W	"N" or "Xaa" used: Feature required	aagtatganc aggagtctaa aaaggctggc aaagcttc
3648	W	"N" or "Xaa" used: Feature required	ctcaatattt gaattgttgc cccatttgct tttacctg
3657	W	"N" or "Xaa" used: Feature required	actttgataa taaaganaaa aaaaaaaaaa actcgtag
3718	W	"N" or "Xaa" used: Feature required	Ile Gln Ser Arg Ser Gln Trp Ala Leu Ser X
3739	W	"N" or "Xaa" used: Feature required	Ser Arg Thr Arg Ser Pro Xaa
3764	W	"N" or "Xaa" used: Feature required	Pro Pro Val Ser Cys Asp Ile Gln Pro Xaa

VERIFICATION SUMMARY
PATENT APPLICATION **US/09/818,683A**

Input Set: **I818683A.RAW**

Line	?	Error/Warning	Original Text
3795	W	"N" or "Xaa" used: Feature required	Ser Phe Xaa Phe Met Met Phe Phe Ala Leu V
3813	W	"N" or "Xaa" used: Feature required	Gln Ser Ser Xaa
3844	W	"N" or "Xaa" used: Feature required	Cys Asp Ala Lys Phe Arg Trp Cys Leu Xaa S
3852	W	"N" or "Xaa" used: Feature required	Glu Leu Xaa
3885	W	"N" or "Xaa" used: Feature required	Glu Ala Glu Thr Ser Leu Xaa
3910	W	"N" or "Xaa" used: Feature required	Gly Ala Val Ala Thr Cys Gln Pro Leu Xaa
3953	W	"N" or "Xaa" used: Feature required	Glu Arg Thr Arg Leu Leu Ser Arg Asp Ile X
3974	W	"N" or "Xaa" used: Feature required	Pro Ala Leu Gly Arg Phe Leu Ala Ser Glu L
3997	W	"N" or "Xaa" used: Feature required	Gly Asp Pro Pro Ala Ile Leu Pro His Cys G
4018	W	"N" or "Xaa" used: Feature required	His Phe Gln Asn Ser Gln Asn Xaa
4037	W	"N" or "Xaa" used: Feature required	Glu Asn Asn Gly Ala Lys Leu Gln Ser Xaa
4056	W	"N" or "Xaa" used: Feature required	Arg Gly Val Thr Met Phe Ile Xaa
4085	W	"N" or "Xaa" used: Feature required	Ile Phe Tyr His Arg Gly Val Xaa
4102	W	"N" or "Xaa" used: Feature required	Tyr Asn Tyr Ser Tyr Pro Phe Ala Cys Asp G
4143	W	"N" or "Xaa" used: Feature required	Pro Lys Arg Glu Glu His Val Glu Xaa Pro X
4145	W	"N" or "Xaa" used: Feature required	Xaa Xaa Thr Tyr Leu Phe Val Ser Tyr Asn L
4147	W	"N" or "Xaa" used: Feature required	Phe Ser Ser Gln Val Leu Leu Pro Leu Leu X
4164	W	"N" or "Xaa" used: Feature required	Arg Gly Thr Arg Val Glu Xaa
4189	W	"N" or "Xaa" used: Feature required	Gln Leu Cys Cys Gly Cys Thr Ala Arg Leu G
4191	W	"N" or "Xaa" used: Feature required	Ala Ser Arg Cys Gly Ser Gly Ser Ala Phe L
4206	W	"N" or "Xaa" used: Feature required	Ser Ser Pro Gln Leu His Leu Arg Ser Ser S
4227	W	"N" or "Xaa" used: Feature required	Val Xaa
4257	W	"N" or "Xaa" used: Feature required	Pro Ser Tyr Ser Gly Glu Gly Arg Pro Arg A
4259	W	"N" or "Xaa" used: Feature required	Xaa Ala Gly Lys Glu Gly Gly Gln Lys Ser A
4263	W	"N" or "Xaa" used: Feature required	Gln Val Ser Trp Arg Gln Asp Cys Arg Pro T
4310	W	"N" or "Xaa" used: Feature required	Glu Asn Lys Ile Glu Asn Xaa
4327	W	"N" or "Xaa" used: Feature required	Ser Gly Pro Met Ala Thr Ala Gln Asn Thr S
4360	W	"N" or "Xaa" used: Feature required	Phe Phe Leu Phe Leu Pro Ser Ser Phe Pro P
4368	W	"N" or "Xaa" used: Feature required	Cys Thr Lys His Leu Ser Xaa Thr Leu Cys G
4370	W	"N" or "Xaa" used: Feature required	Leu Asn Ile Phe Xaa Thr Arg Ala Val Met T
4372	W	"N" or "Xaa" used: Feature required	Phe Leu Xaa Ile His Trp Leu Leu Pro Xaa
4391	W	"N" or "Xaa" used: Feature required	Lys Glu Ser His Gln Lys Arg Lys Xaa
4416	W	"N" or "Xaa" used: Feature required	Val Leu Cys Gln Val Thr Cys Trp Val Lys X
4443	W	"N" or "Xaa" used: Feature required	Trp Thr His Pro Ser Leu Ser Leu Gly Pro A
4462	W	"N" or "Xaa" used: Feature required	Thr Trp His Asn Trp Leu Leu Pro Pro His L
4472	W	"N" or "Xaa" used: Feature required	Gly Trp Thr Arg Xaa
4489	W	"N" or "Xaa" used: Feature required	Ala Glu Leu Glu Ala Leu Lys Lys Ser Cys X
4514	W	"N" or "Xaa" used: Feature required	Leu Thr Ser Leu Ala Gly Leu Gly Leu Trp L
4535	W	"N" or "Xaa" used: Feature required	Ala Pro Ile Arg Trp Phe Xaa
4554	W	"N" or "Xaa" used: Feature required	Met Val Thr Gly Phe Phe Phe Ile Leu Met T
4560	W	"N" or "Xaa" used: Feature required	Phe Leu Ile Pro Ala Xaa Glu Ala Leu Leu T
4575	W	"N" or "Xaa" used: Feature required	Phe Ser Ile Cys Thr Asn Val Asn His Ser L
4600	W	"N" or "Xaa" used: Feature required	Val Leu Arg Xaa Phe Trp Val Leu Thr Val L
4606	W	"N" or "Xaa" used: Feature required	Met Ile Arg Ala Cys Arg Val Asn Xaa
4625	W	"N" or "Xaa" used: Feature required	Ser Cys Leu Pro Ser Pro Leu Xaa Lys Asn T
4631	W	"N" or "Xaa" used: Feature required	Ser Ser Asp Pro Asn Ser Met Asp Xaa
4648	W	"N" or "Xaa" used: Feature required	Ile Val Trp Thr Tyr Met Lys Arg Ser Xaa
4665	W	"N" or "Xaa" used: Feature required	Thr Asn Phe Leu Ile Pro Leu Leu Val Pro P
4682	W	"N" or "Xaa" used: Feature required	Leu Gln Val Thr Glu Pro Lys Leu Ser Cys P
4705	W	"N" or "Xaa" used: Feature required	His Val Pro Ala Pro Gln Glu Xaa

VERIFICATION SUMMARY
PATENT APPLICATION **US/09/818,683A**

Input Set: **I818683A.RAW**

Line	?	Error/Warning	Original Text
4752	W	"N" or "Xaa" used: Feature required	Phe Val Gly Lys Xaa
4767	W	"N" or "Xaa" used: Feature required	Leu Gly Cys Leu Ile Gly Val Ser Ser Asp G
4782	W	"N" or "Xaa" used: Feature required	Tyr Leu Glu Gly Gln His Leu Gln Ile Cys P
4799	W	"N" or "Xaa" used: Feature required	Gly Lys Val Pro Leu Leu Xaa
4818	W	"N" or "Xaa" used: Feature required	Ser Ser Xaa
4835	W	"N" or "Xaa" used: Feature required	Thr Val Xaa
4860	W	"N" or "Xaa" used: Feature required	Leu Phe Leu Gly Ser Ser Ala His Leu Leu V
4866	W	"N" or "Xaa" used: Feature required	Xaa Arg Val Glu Gly Gly Ala Phe Ala Arg G
4868	W	"N" or "Xaa" used: Feature required	Gln Tyr Phe Pro Val Ser Cys Leu Tyr Gln X
4885	W	"N" or "Xaa" used: Feature required	Leu Ser Lys Val Lys Phe Xaa
4906	W	"N" or "Xaa" used: Feature required	Asp Glu Leu Leu Ala Ser Leu Met Met Xaa L
4908	W	"N" or "Xaa" used: Feature required	Asn Cys Ser Ser Thr Thr Asp Ile Xaa Asn G
4910	W	"N" or "Xaa" used: Feature required	Gly Gln Asn Phe Met Phe Gln Gln Asn Leu G
4935	W	"N" or "Xaa" used: Feature required	Xaa
4951	W	"N" or "Xaa" used: Feature required	Ser Tyr His Glu Phe Leu Ile Ala Thr Tyr A
4968	W	"N" or "Xaa" used: Feature required	His Arg Pro Phe Leu Glu Arg Ile His Val L
4987	W	"N" or "Xaa" used: Feature required	Asn Asp His Ile Ser Ile Xaa
5049	W	"N" or "Xaa" used: Feature required	Xaa
5071	W	"N" or "Xaa" used: Feature required	Ser Gly Lys Gly Phe Gly Lys Lys Ser Thr A
5090	W	"N" or "Xaa" used: Feature required	Glu Pro Ala Arg Ser His Gly Leu Trp Arg A
5111	W	"N" or "Xaa" used: Feature required	Glu Phe Arg Arg Arg Ser His Xaa
5126	W	"N" or "Xaa" used: Feature required	Ile Cys Ser Ile Gln Asp Glu Ser Lys Xaa
5145	W	"N" or "Xaa" used: Feature required	Asn Phe Phe Cys Xaa
5200	W	"N" or "Xaa" used: Feature required	Gln Xaa Thr Val Arg Gly Glu Lys Gly Gln A
5202	W	"N" or "Xaa" used: Feature required	Xaa Arg Lys Xaa Thr Xaa Xaa Pro Gly Cys L
5204	W	"N" or "Xaa" used: Feature required	Val Cys Lys Pro Ala Lys Xaa Gly Leu Gly G
5210	W	"N" or "Xaa" used: Feature required	Leu Gly Phe Pro Ser Ala Ser Arg Xaa
5227	W	"N" or "Xaa" used: Feature required	Ser Cys Ile Gln Gln Val Ser Gln Val Gln T
5244	W	"N" or "Xaa" used: Feature required	Trp Glu Thr Lys Cys Cys His Val Arg Ser L
5259	W	"N" or "Xaa" used: Feature required	Leu Tyr Phe Leu His Ser Arg Val Cys Ala X
5274	W	"N" or "Xaa" used: Feature required	Ile Gln Met Leu Pro Gly Leu Gln Xaa
5289	W	"N" or "Xaa" used: Feature required	Leu Val Leu Val Lys Met Gly Tyr Asn Asn L
5304	W	"N" or "Xaa" used: Feature required	Ser Gln Val Phe Pro Glu Glu Val Val Xaa
5319	W	"N" or "Xaa" used: Feature required	Ile Ser Leu Leu Ile Ala Leu Asp Arg Xaa
5348	W	"N" or "Xaa" used: Feature required	Xaa Ala Pro Ala Pro Pro Arg Arg Ala Ala A
5352	W	"N" or "Xaa" used: Feature required	Tyr Asn Arg Gly Arg Ala Ala Gly Xaa Arg A
5356	W	"N" or "Xaa" used: Feature required	Ala Thr Leu Glu Glu Pro Pro Cys Asn Xaa X
5360	W	"N" or "Xaa" used: Feature required	Xaa
5374	W	"N" or "Xaa" used: Feature required	Trp Lys Ala Gly Cys Phe Val Pro Leu Pro A
5393	W	"N" or "Xaa" used: Feature required	Val Tyr Trp Asn Met Ser Xaa Thr Ile Met M
5414	W	"N" or "Xaa" used: Feature required	Arg Asn Ser Lys Thr Val Phe Thr Ser Xaa
5431	W	"N" or "Xaa" used: Feature required	Arg Phe Xaa
5450	W	"N" or "Xaa" used: Feature required	Xaa
5469	W	"N" or "Xaa" used: Feature required	Asp Gly Asp Arg Lys Asp Asp Asn Ser Gly T
5484	W	"N" or "Xaa" used: Feature required	Leu Asn Glu Ile Ile Thr Thr Ser Thr Trp A
5501	W	"N" or "Xaa" used: Feature required	Cys Phe Leu Val Ala Leu Ile Ile Trp Cys X
5507	W	"N" or "Xaa" used: Feature required	Thr Xaa
5524	W	"N" or "Xaa" used: Feature required	Leu Leu Gly Trp Arg Ala Ser Leu Cys Met L
5541	W	"N" or "Xaa" used: Feature required	Asn Ala Lys Ser Leu Gly Leu Xaa
5566	W	"N" or "Xaa" used: Feature required	Pro Pro Gln Lys Ser Ser Cys Xaa Arg Leu H

Line	?	Error/Warning	Original Text
5582	W	"N" or "Xaa" used: Feature required	Leu Leu Ile Thr Xaa
5597	W	"N" or "Xaa" used: Feature required	His Cys Ile Ser Ser Gln Phe Trp Xaa
5614	W	"N" or "Xaa" used: Feature required	Cys His Ser Gly Arg Val Gln Phe Arg Arg P
5631	W	"N" or "Xaa" used: Feature required	Ala Asn Met Thr Ser Trp Pro Gln Arg Met X
5646	W	"N" or "Xaa" used: Feature required	Phe Gly Leu Ser His His Ser Arg Lys Val A
5663	W	"N" or "Xaa" used: Feature required	Ala Gly Ser Gly Ser Ser Trp His Asp Val P
5680	W	"N" or "Xaa" used: Feature required	Phe Glu Glu Xaa
5697	W	"N" or "Xaa" used: Feature required	Leu Tyr Xaa
5712	W	"N" or "Xaa" used: Feature required	Leu Ser Lys Leu Pro Met Thr Leu Val Ser P
5729	W	"N" or "Xaa" used: Feature required	Trp Trp Asn Xaa
5750	W	"N" or "Xaa" used: Feature required	Glu Arg Ala Gly Ser His Gly His Gln Ala L
5752	W	"N" or "Xaa" used: Feature required	Leu Xaa
5767	W	"N" or "Xaa" used: Feature required	Gln Met Pro Gln Arg Cys Leu Pro Cys Cys M
5804	W	"N" or "Xaa" used: Feature required	Arg Phe Tyr Leu Gly Gln Trp Xaa Glu Gly L
5808	W	"N" or "Xaa" used: Feature required	Val Gly Tyr Val Gly Pro Ala Asp Gly Ser L
5825	W	"N" or "Xaa" used: Feature required	Xaa
5839	W	"N" or "Xaa" used: Feature required	Val Ile Leu Asn Lys Ser Ser Arg Xaa
5856	W	"N" or "Xaa" used: Feature required	Gly Lys Gly His Xaa
5875	W	"N" or "Xaa" used: Feature required	Leu Ser Asn Tyr Leu Phe Lys Thr Pro Arg T
5877	W	"N" or "Xaa" used: Feature required	Arg Xaa
5892	W	"N" or "Xaa" used: Feature required	Met Cys Leu Pro Leu Leu His Cys Thr Gly A
5896	W	"N" or "Xaa" used: Feature required	His Gln Thr Val Gly Leu Val Val His Asp T
5913	W	"N" or "Xaa" used: Feature required	Pro Gly Lys Gln Val Trp Xaa
5932	W	"N" or "Xaa" used: Feature required	Ser Lys Tyr Phe Xaa
5962	W	"N" or "Xaa" used: Feature required	Asn Xaa Asp Thr Thr Phe Lys Asn Lys Met L
5981	W	"N" or "Xaa" used: Feature required	Cys Thr Asn Ile Ile Cys Ser Phe Gly Phe P
5998	W	"N" or "Xaa" used: Feature required	Ser Gly Ala Val Xaa
6015	W	"N" or "Xaa" used: Feature required	Val Val Thr Asp Xaa
6030	W	"N" or "Xaa" used: Feature required	Val Lys Ile His Asn His Gly Arg Leu Pro X
6047	W	"N" or "Xaa" used: Feature required	Xaa
6065	W	"N" or "Xaa" used: Feature required	Leu Asn Arg Ser Arg Ile Pro Thr Gln Ile X
6080	W	"N" or "Xaa" used: Feature required	Gly Cys Gly Arg Asn His Leu Ala Phe Lys A
6099	W	"N" or "Xaa" used: Feature required	Xaa
6120	W	"N" or "Xaa" used: Feature required	Thr Asp Asp Xaa
6151	W	"N" or "Xaa" used: Feature required	Phe Thr His Lys Cys Pro Asp Val Xaa
6170	W	"N" or "Xaa" used: Feature required	Leu Leu Xaa
6185	W	"N" or "Xaa" used: Feature required	Thr Val Ile Val Thr Tyr Cys Gly Pro Leu L
6202	W	"N" or "Xaa" used: Feature required	Ser Cys Thr Ile Lys Xaa
6219	W	"N" or "Xaa" used: Feature required	Val Pro Arg Ala Ala Asn Lys Gly Xaa
6234	W	"N" or "Xaa" used: Feature required	Asp Arg Val Ile Ile Thr Glu Arg Ile Xaa
6265	W	"N" or "Xaa" used: Feature required	Xaa
6281	W	"N" or "Xaa" used: Feature required	Leu Ile Xaa
6326	W	"N" or "Xaa" used: Feature required	Cys Arg Ser Leu Arg Asn Xaa
6345	W	"N" or "Xaa" used: Feature required	Gly Phe Ser Gly Xaa
6370	W	"N" or "Xaa" used: Feature required	Phe Tyr Val Ser Val Lys Val Phe Lys Xaa
6387	W	"N" or "Xaa" used: Feature required	Glu Ile Gln Gln Lys Ser Leu His Ser Ile X
6406	W	"N" or "Xaa" used: Feature required	Leu Asn Asp Xaa
6421	W	"N" or "Xaa" used: Feature required	Ile Ser His Ser Leu Thr Tyr Ser Phe His L
6440	W	"N" or "Xaa" used: Feature required	Cys Ile Gly Ile Cys Arg Xaa
6455	W	"N" or "Xaa" used: Feature required	Val Ser Gln Lys Arg Gly His Ile Xaa

Line	?	Error/Warning	Original Text
6474	W	"N" or "Xaa" used: Feature required	Ser Val Thr Lys Thr Phe Leu Xaa
6706	W	Line data has been corrected	GGGTCGACCC ACGCGTCCGG TAAAATATAA AGAAACTG
6707	W	Line data has been corrected	AGATATAAGA GTTCGGACCG CCCAGCACAC AAGGTCAG
6708	W	Line data has been corrected	CTCGCTATAG CTGTTGTCCA GATCGTTATC TTCTCAGA
6709	W	Line data has been corrected	ATCAACTTCT ATAATGTGAG GCCTCCTCTC GACCCTAC
6710	W	Line data has been corrected	TGCTTTACTT GTGAAAACGC AGGGGATAAT TATAACTG
6711	W	Line data has been corrected	TGGTGTCCAC AAAATACACA GTACTGTTTG ACAGTTCA
6712	W	Line data has been corrected	AGCACATCCA TCACCAAAAA GTGTGCCTCC AGAAGTGA
6713	W	Line data has been corrected	CACAGCCGAG ATTCTGAACA TACGGAGTGT AGGTCTTG
6714	W	Line data has been corrected	GTAGAATTAC CCACCAATCA CACTAATGCA GTGTTTGC
6715	W	Line data has been corrected	TCTGGCAGCA GTGCCCCCAC ACTCTACCTA CCAGTGCT
6716	W	Line data has been corrected	TTGCTGTGAT GCCACCATTC CTAGGAGAGG CAGAGACC
6717	W	Line data has been corrected	AACTGTGTGA ACGGTGAACT TTGGAGTGAA GATCAATC
6718	W	Line data has been corrected	ATTGGACCTC AAGGCGAAAG CCAGTGGTTT GCTTGGAT
6719	W	Line data has been corrected	CAGGACTGAG GATGGGAATT TGGCAGGGCC TGAGAAGA
6720	W	Line data has been corrected	GGTCAAAGAG AGCTACGTTT GGGCAGTTCT GCAGAGAG
6721	W	Line data has been corrected	TGACTAGGCC TTTAGCTGAA AAGGATTTCT TGACCTCC
6722	W	Line data has been corrected	GGTCAAACCC TCTTGTTTAT GTGATTAGCT CAGAGCAT
6723	W	Line data has been corrected	CCTCATGAGA AAGCAGTTTT CCCCACCAAC AGCATAGT
6724	W	Line data has been corrected	AAGAAACTT CCAGTGGAAC TAATATGAAA TCTATTTG
6725	W	Line data has been corrected	CTTTTAAATT ATACAATGTA AAAAAAAAAA AAAAAAA
7310	W	"N" or "Xaa" used: Feature required	Gln His Trp Cys Gly Cys Trp Arg Glu His X
7320	W	"N" or "Xaa" used: Feature required	Leu Asp Leu Ala Gln Leu Val Thr Thr Thr T
7359	W	"N" or "Xaa" used: Feature required	Gly Ser Thr Gly Val Ala Ala Gly Gly Ser T
7378	W	"N" or "Xaa" used: Feature required	Ser Thr Xaa Ser Ser
7389	W	"N" or "Xaa" used: Feature required	Glu Trp Pro Trp Gln His Trp Cys Gly Cys T
7529	W	"N" or "Xaa" used: Feature required	Arg Xaa Lys Pro Cys Phe Gly Lys Lys Asn A
7621	W	"N" or "Xaa" used: Feature required	Ser Glu Lys Xaa Xaa Gln Glu Glu Tyr Glu L
7663	W	"N" or "Xaa" used: Feature required	Leu Gly Arg Ser Tyr Val Leu Pro Ala Phe S
7961	W	"N" or "Xaa" used: Feature required	Gln Arg Pro His Pro Gln Pro Trp Xaa Pro M
7965	W	"N" or "Xaa" used: Feature required	His Leu Ser Cys Thr His Ile Asn Pro Lys P
7993	W	"N" or "Xaa" used: Feature required	Pro Pro Cys His Leu Ser Cys Thr His Ile A
8025	W	"N" or "Xaa" used: Feature required	His His Ser Ser Val Pro Trp Leu Phe Cys S
8027	W	"N" or "Xaa" used: Feature required	Xaa Gly Leu Gly Phe Ile
8060	W	"N" or "Xaa" used: Feature required	His Ser Ser Val Pro Trp Leu Phe Cys Ser S
8122	W	"N" or "Xaa" used: Feature required	Pro Pro Ile Phe Cys Leu Phe Thr Xaa Pro A
8124	W	"N" or "Xaa" used: Feature required	Leu Asp Arg Val Ala Ala Leu Val Glu Cys T
8144	W	"N" or "Xaa" used: Feature required	Leu Ala Trp Arg Leu Asp Xaa Ala Ser
8171	W	"N" or "Xaa" used: Feature required	Lys Ser Pro Asn Met Xaa Xaa Ser Ser Pro I
8173	W	"N" or "Xaa" used: Feature required	Phe Thr Gly Gln Ile Ser Ser Pro Leu Gly G
8436	W	"N" or "Xaa" used: Feature required	Leu Gln Glu Ser Ala Xaa Gln Phe Ser Ser S
8480	W	"N" or "Xaa" used: Feature required	Phe Xaa Leu Ala
8519	W	"N" or "Xaa" used: Feature required	Pro Tyr Arg Gly Gly Xaa Pro Tyr His Leu P
8523	W	"N" or "Xaa" used: Feature required	Cys Pro Ile Arg Xaa Gly Leu Glu Glu Lys G
8525	W	"N" or "Xaa" used: Feature required	Gln Glu Pro Gly Met Xaa Gly Ser Cys Trp A
8527	W	"N" or "Xaa" used: Feature required	Asn Val Glu Gly Gln Trp Phe Leu Lys Gln G
8529	W	"N" or "Xaa" used: Feature required	Arg Xaa Xaa Xaa Leu Gly Leu
8574	W	"N" or "Xaa" used: Feature required	Leu Arg Pro Arg His Gly Thr Leu Ala Ala A
8576	W	"N" or "Xaa" used: Feature required	Ala Ala Pro Gly Xaa Arg Ser Arg Pro Ala P
8580	W	"N" or "Xaa" used: Feature required	Arg Ala Gly Asp Val Gln Pro Arg Pro Gly S

VERIFICATION SUMMARY
PATENT APPLICATION **US/09/818,683A**

Input Set: **I818683A.RAW**

Line	?	Error/Warning	Original Text
8584	W	"N" or "Xaa" used: Feature required	Val Leu Pro Glu Gly Asp Pro Gly Gly Ala S
8586	W	"N" or "Xaa" used: Feature required	Gly Val Pro Ala Pro Cys Val Xaa Glu Thr L
8606	W	"N" or "Xaa" used: Feature required	Xaa Xaa Lys Gly Xaa Val Thr Lys Val Lys A
8627	W	"N" or "Xaa" used: Feature required	Thr Leu Ala Ala Ala Ala Val Xaa Ala Gly A
8633	W	"N" or "Xaa" used: Feature required	Pro Arg Pro Gly Ser Arg Xaa Ala Gly Asp A
8750	W	"N" or "Xaa" used: Feature required	Leu Trp His Arg Cys Cys Leu Pro Gly Gly A
8752	W	"N" or "Xaa" used: Feature required	Leu Xaa Gln Gly Arg Ser Ala Cys Leu Leu H
8756	W	"N" or "Xaa" used: Feature required	Leu Pro Pro Arg Ser Ser Gly Ser Lys Phe X
8783	W	"N" or "Xaa" used: Feature required	Ala Xaa Gly Thr His Arg Xaa Ala Tyr Pro G
8909	W	"N" or "Xaa" used: Feature required	Ser Cys Phe Leu Val Ala Leu Ile Ile Trp C
8930	W	"N" or "Xaa" used: Feature required	Met Trp Val Xaa Gly Glu Glu Val Leu Gly S
8956	W	"N" or "Xaa" used: Feature required	Met Asn Arg Val Ala His Pro Ser His Val L
9040	W	"N" or "Xaa" used: Feature required	Ile Val Val Xaa Pro Met Gly Ser Gly Ser A
9429	W	"N" or "Xaa" used: Feature required	His Arg Trp Val Pro Arg Ser Leu Pro Gly M
9433	W	"N" or "Xaa" used: Feature required	Pro Xaa Pro Val Leu Cys Glu Trp Lys Arg L
9437	W	"N" or "Xaa" used: Feature required	Ser Xaa Cys Arg Arg Gly His Leu Ser Phe L
9439	W	"N" or "Xaa" used: Feature required	Pro Leu Phe Pro Ile Ser Pro Leu Xaa
9474	W	"N" or "Xaa" used: Feature required	Arg Gly Pro Gln Pro Pro Pro Gln Xaa Arg G
9476	W	"N" or "Xaa" used: Feature required	Gly Tyr Gly Ala Pro Glu Arg Lys Leu Arg T
9478	W	"N" or "Xaa" used: Feature required	Glu Arg Xaa Pro Pro Pro Pro Thr Pro G
9484	W	"N" or "Xaa" used: Feature required	Ala Ala Arg Xaa Leu Pro Ile Pro Gly Arg A
9621	W	"N" or "Xaa" used: Feature required	Cys His Tyr Thr Leu Met Ser His Ser Glu A
9751	W	"N" or "Xaa" used: Feature required	Pro Pro His Pro Ser Leu His Pro Val Gln L
9753	W	"N" or "Xaa" used: Feature required	Gln Gln Asn Pro Xaa His Asp Gln Arg Ala P
9885	W	"N" or "Xaa" used: Feature required	Arg Gly Lys Lys Ile Lys Gly Thr Phe Asn X
9916	W	"N" or "Xaa" used: Feature required	Lys Thr Phe Ile Leu Leu Phe Leu Pro Ser S
9918	W	"N" or "Xaa" used: Feature required	Xaa Xaa Pro Pro Ser His Ser Ser Thr Leu G
9920	W	"N" or "Xaa" used: Feature required	Ile Met Arg Ser Gly Asp Arg Xaa His Xaa G
9943	W	"N" or "Xaa" used: Feature required	Val Val Phe Phe Xaa Xaa Phe Phe Glu Met G
9949	W	"N" or "Xaa" used: Feature required	Tyr Arg Arg Pro Pro Pro Ser Pro Ala Asn L
9951	W	"N" or "Xaa" used: Feature required	Arg Asp Gly Gly His His Val Ser Gln Xaa G
10349	W	"N" or "Xaa" used: Feature required	Arg Gly Pro Xaa Asn Gly Arg Phe Ala Leu V
10361	W	"N" or "Xaa" used: Feature required	Ala Leu Arg Arg Ala His Asp Tyr Glu Val A
10379	W	"N" or "Xaa" used: Feature required	Met Val Ile Xaa Pro Gly Gly Leu Thr Ser G
10434	W	"N" or "Xaa" used: Feature required	Xaa Tyr Arg Met Asn Thr Lys Phe Leu Glu S
10520	W	"N" or "Xaa" used: Feature required	Thr Xaa Ser Leu Glu Asn His Lys Asn Ile A
10606	W	"N" or "Xaa" used: Feature required	Gly Ser Val Leu Leu His Trp Arg Pro Asn X
10628	W	"N" or "Xaa" used: Feature required	Ala Gln Tyr Arg Arg Leu Pro Phe Ser Arg A
10644	W	"N" or "Xaa" used: Feature required	Ser Gly Ser Val Leu Leu His Trp Arg Pro A
10871	W	"N" or "Xaa" used: Feature required	Pro Ala Gly Leu Trp Phe Cys Ile Lys Asn I
10873	W	"N" or "Xaa" used: Feature required	Phe Gly Lys Xaa Gly Phe
10931	W	"N" or "Xaa" used: Feature required	His Lys Tyr Xaa Gln Glu Ser Lys Lys Ala G
10990	W	"N" or "Xaa" used: Feature required	Leu Tyr Leu Leu Gly Asn Ile Asn Lys Arg T